

North Woolwich Portal (XSV11)

The locations of the four evaluation trenches were set out by the Principal Contractor (HMJV) and the data relayed to MOLA digitally in DWG file format on London survey grid (LSG). Additions or reductions to the trenches' footprints were then surveyed by MOLA staff on site, offsetting from known points, and amendments were made to the digital plans by MOLA Geomatics department.

All features within the trenches and sections were drawn at 1:20 by MOLA staff on site. MOLA Geomatics then digitised this information and added it to the trench plans. Levels in mATD (OD+100m) were marked at fixed points near the trenches by engineers from HMJV. From these, heights of sections and features within the trench were surveyed by MOLA staff using optical surveying equipment.

For the bulk ground reduction monitoring, heights provided by HMJV on the capping beams running either side of the trench were used to measure down to the archaeology. General locations were all made by reference to the chainage associated with the portal, with 10m intervals marked out by HMJV along the adjacent fence lines. These correspond to Crossrail 'chainage', with 0 located west of London.

The general watching brief areas were located measuring from standing buildings and annotating supplied plans. For this phase of work levels were derived from an engineer's control on the steps of the N side of the railway which had a value of 1.89m OD.

Trench locations

Trench 1	OS National Grid		London Survey Grid	
Corners	Easting	Northing	Easting	Northing
			93016.625	34444.670
			93022.238	34442.743
			93020.838	34436.723
			93014.814	34437.591

Trench 2	OS National Grid		London Survey Grid	
Corners	Easting	Northing	Easting	Northing
			93075.613	34429.182
			93093.996	34425.917
			93093.160	34419.135
			93074.400	34424.331

Trench 3	OS National Grid		London Survey Grid	
Corners	Easting	Northing	Easting	Northing
			93157.2788	34409.3908
			93156.0326	34403.5216
			93181.7336	34404.1982

			93180.4874	34398.3291
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Trench 4	OS National Grid		London Survey Grid	
Corners	Easting	Northing	Easting	Northing
			93204.7500	34399.2100
			93203.3900	34393.2800
			93205.1596	34392.9009
			93204.8013	34391.2222
			93210.6351	34389.9728
			93210.9191	34391.6201
			93219.7300	34389.7800
			93221.0000	34395.7300